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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/686,130	10/14/2003	Hiroyuki Inokuchi	12844.47US01 7628		
23552	7590 01/21/2005		EXAMINER		
MERCHANT & GOULD PC P.O. BOX 2903			NGUYEN, KHANH V		
	LIS, MN 55402-0903		ART UNIT	PAPER NUMBER	
	,		2817		
			DATE MAILED: 01/21/2005		

Please find below and/or attached an Office communication concerning this application or proceeding.

Attachment(s)

1)	\bowtie	Notice of	References	Cited	(PTO-892)
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2) Notice of Draftsperson's Patent Drawing Review (PTO-948)

Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.

4) Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.

6) Other:

5) Notice of Informal Patent Application (PTO-152)

DETAILED ACTION

Drawings

Figures 6 and 7 should be designated by a legend such as --Prior Art -- because only that which is old is illustrated. See MPEP § 608.02(g). Corrected drawings in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.121(d)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Objections

Claims 1 is objected to because of the following informalities:

Claim 1, line 6, "a voltage output" should be read as -- an output voltage-- .

Claim 1, line 6, "a reverse" should be read as --an inverted--.

Claim 1, line 10, "the current" should be read as --a current--.

Claim 1, line 13, "the two inputs" should be read as --the differential inputs--.

Appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

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Claims 1, 5, 6 are rejected under 35 U.S.C. 102(b) as being anticipated by Wong (6,285,256).

Wong (Figs. 3 or 5) disclose buffer circuit comprising: an amplifier (55) can be read as an operational amplifier, wherein an input voltage (VIN) can be a non-inverted (+) input terminal and an output voltage (VO) can be an inverted (-) input terminal through a feedback between VO and the gate terminal of transistor (54); and an amplifier (65) can be read as an output acceleration means which receives the input voltage (VIN) and the output voltage (VO) as a differential inputs and which outputs an electric current via node (VX) as desired according to a predetermined offset voltage which is considered an intended use of the invention. Note: the reference circuit also teaches input offset voltage (see col. 7, lines 10-43).

Regarding claim 5, wherein buffer circuit is generally used for a driver IC (see applicant specification, page, lines 9-12). As such, the buffer circuit of Wong is capable of using as for a driver IC.

Regarding claim 6, wherein current mirrors ((26, 51) and (56, 58)) can be read as the claimed current sources.

Allowable Subject Matter

Claims 2-4 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

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Claims 2-4 call for, among others, a schematic of the output acceleration means and a schematic of the operational amplification means and their operations.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The additional references (Ide et al. (5,923,219); Shirai et al. (6,091,294)) disclose amplifier circuit having buffer.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Khanh V. Nguyen whose telephone number is (571) 272-1767. The examiner can normally be reached from 8:00 AM - 3:30 PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Pascal can be reached on (571) 272-1769. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9306 for regular communications and (703) 872-9306 for After Final communications.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

KHANH V. NGUYEN PRIMARY EXAMINER

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